

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Grant E. Wild)
Serial No.)
Filed: CONCURRENTLY)
For: Improved Prosthetic Knee and)
Rotary Hydraulic Chamber)

March 12, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

As suggested by 37 C.F.R. §1.97, applicant's undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached Form PTO/SB/08, a copy of each of which is enclosed. This is not to be construed as a representation that a search has been made, or that no better prior art exists, or that a reference is relevant merely because cited.

Petrofsky, U.S. Patent Nos. 6,113,642 and 5,888,212 depict computer controlled hydraulic resistance devices for a prosthesis with electronic sensing apparatus.

Biedermann, U.S. Patent No. 6,423,09 teaches a leg prosthesis utilizing a magnetic rheological fluid in a hydraulic cylinder to adjust damping characteristics.

Boender, U.S. Patent No. 6,106,560 depicts a hydraulic knee joint where fluid flows between hydraulic chambers.

Gramnäs, U.S. Patent No. 5,800,566 depicts an artificial joint with a linear hydraulic damping cylinder with channels, chokes, and back valves to control fluid flow.

Wagner, U.S. Patent No. 5,704,945 depicts a knee joint with a rotary hydraulic damping chamber with a solid rotary piston.

Gramnäs, U.S. Patent No. 5,314,498 depicts an artificial knee joint with multiple pivots.

Otto Bock-Habermann, Otto Bock and OSSUR product manuals depict various knee joint products available in the market place. The OSSUR manuals reflect designs based on the Gramnäs '566 patent. The Otto Bock-Habermann joint is a polycentric embodiment, and the Otto Bock Rotary hydraulic knee joints are based on the Wagner '945 patent. Some of these designs also include extension assist devices.

Examiner is requested to review these references and cite them of official record in this application.

Respectfully submitted,

MILLER & MARTIN


Douglas P. Johnson
Reg. No. 31,841

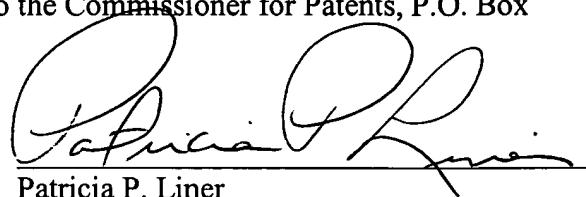
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A handwritten signature in black ink, appearing to read "Patricia P. Liner". The signature is fluid and cursive, with "Patricia" on the left and "P. Liner" on the right, separated by a short horizontal line.

Patricia P. Liner

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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of 2

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Grant E. Wild
Art Unit	
Examiner Name	
Attorney Docket Number	03243-0102

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO		Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number		
		Filing Date		
		First Named Inventor	Grant E. Wild	
		Art Unit		
		Examiner Name		
Sheet 2	of 2	Attorney Docket Number	03243-0102	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	8	Otto Bock-Habermann Modular Knee Joint, Polycentric, Four Bar Linkage Product Manual	
	9	Otto Bock Modular Knee Joint with Rotary Hydraulic - Model 3R80 - Product Manual	
	10	Otto Bock Modular Knee Joint with Rotary Hydraulic - Model 3\$80=1 - Product Manual	
	11	Otto Bock Modular Single Axis Knee Joint with Stance Control and Constant Friction Product Manual	
	12	Otto Bock Modular Single Axis Knee Joints with Internal Extension Assist and Constant Friction Product Manual	
	13	OSSUR Total Knee 2100 Geometric Locking System Product Manual	
	14	OSSUR Total Knee 2000 Geometric Locking System Product Manual	
	15	OSSUR Academy Alignment Recommendation Total Knee Presentation	

Examiner Signature		Date Considered
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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